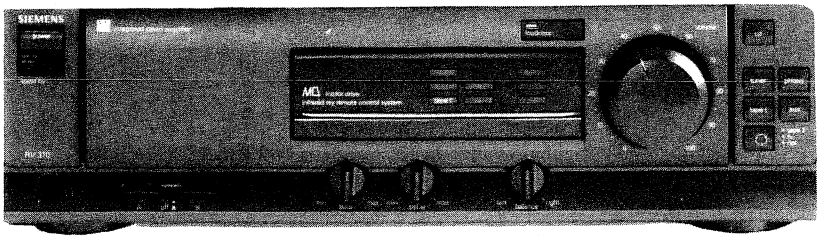
SIEMENS

Verstärker RV310R4
Amplifier RV310R4



Kundendienstschrift
Service manual

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ALLGEMEINE TECHNISCHE ANGABEN

Netzteil

Energieversorgung: 220 V/50 Hz
Max. Energiebedarf: 550 Wh
Sicherungen: T 3.15 A/250 V
T 6.3 mA/250 V
T 250 mA/250 V

Verstärker

NF-Ausgangsleistung (1 KHz/K3 = 0,9 %) = 2 X > 100 W
Verzerrungen bei halber Sinusleistung: < 0,05 %
Übersprechdämpfung (20 Hz . . . 20 KHz): > 50 dB

Funktion	Frequenzgang	Signal-Rausch-abstand	Signal-Brumm-abstand
Phono	30 Hz . . . 20 KHz	> 73 dB	> 70 dB
CD	20 Hz . . . 40 KHz	> 85 dB	> 80 dB
Aux	20 Hz . . . 40 KHz	> 85 dB	> 80 dB
Tuner	20 Hz . . . 40 KHz	> 85 dB	> 80 dB
Tape 1	20 Hz . . . 40 KHz	> 85 dB	> 80 dB
Tape 2	20 Hz . . . 40 KHz	> 85 dB	> 80 dB

GENERAL TECHNICAL DATA

Power supply unit

Power supply: 220 V/50 Hz
Power consumption: 550 Wh
Fuses: T 3.15 A/250 V
T 6.3 mA/250 V
T 250 mA/250 V

Amplifier

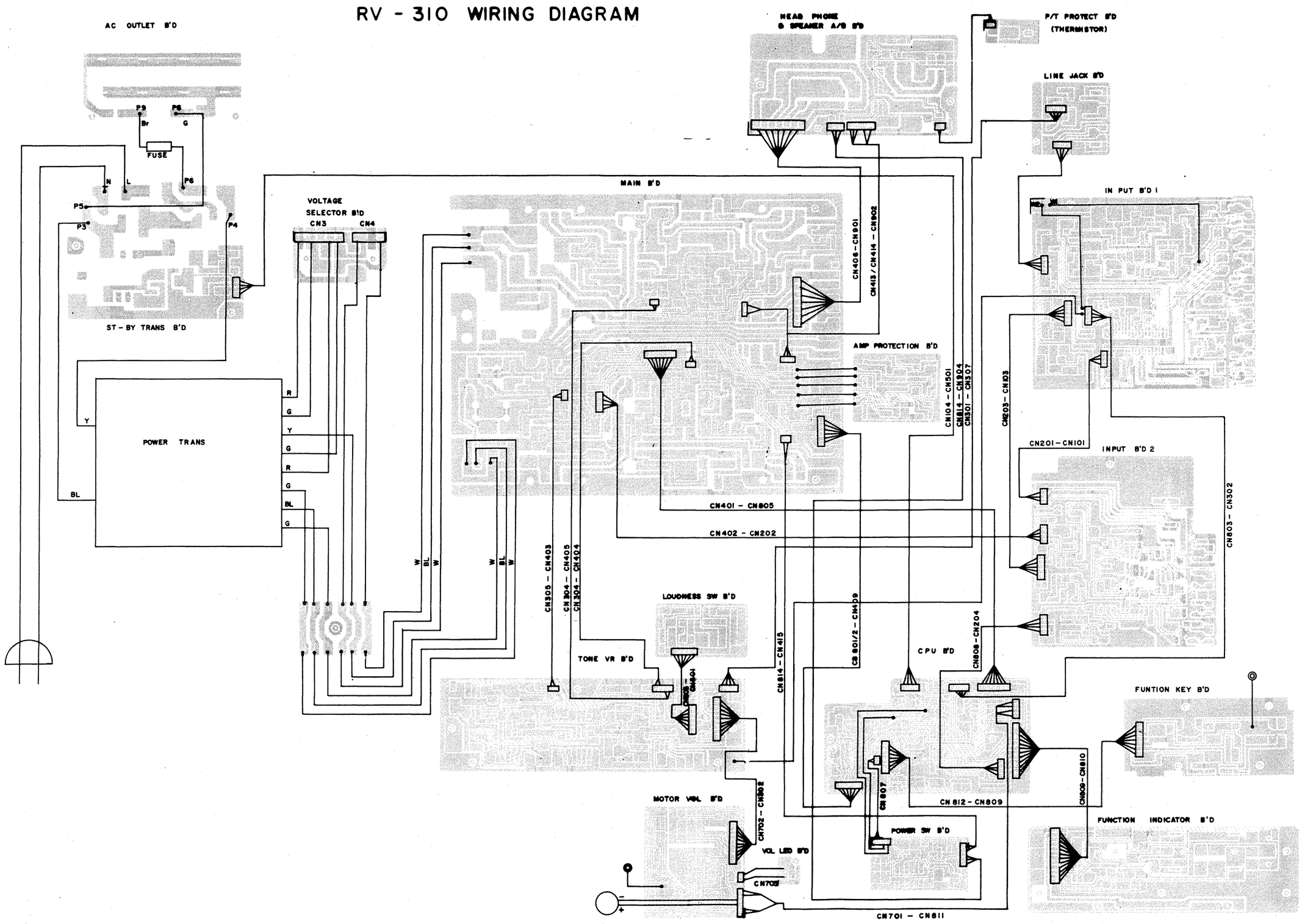
AF-Power output (1 KHz/K3 = 0,9 %) = 2 X > 100 W
Distortion at ½ sine power: < 0,05 %
Crosstalk attenuation (20 Hz . . . 20 KHz): > 50 dB

Function	Frequency -response	S/N -ratio	Signal -to-hum ratio
Phono	30 Hz . . . 20 KHz	> 73 dB	> 70 dB
CD	20 Hz . . . 40 KHz	> 85 dB	> 80 dB
Aux	20 Hz . . . 40 KHz	> 85 dB	> 80 dB
Tuner	20 Hz . . . 40 KHz	> 85 dB	> 80 dB
Tape 1	20 Hz . . . 40 KHz	> 85 dB	> 80 dB
Tape 2	20 Hz . . . 40 KHz	> 85 dB	> 80 dB

Ausgabe/Issue 92/15

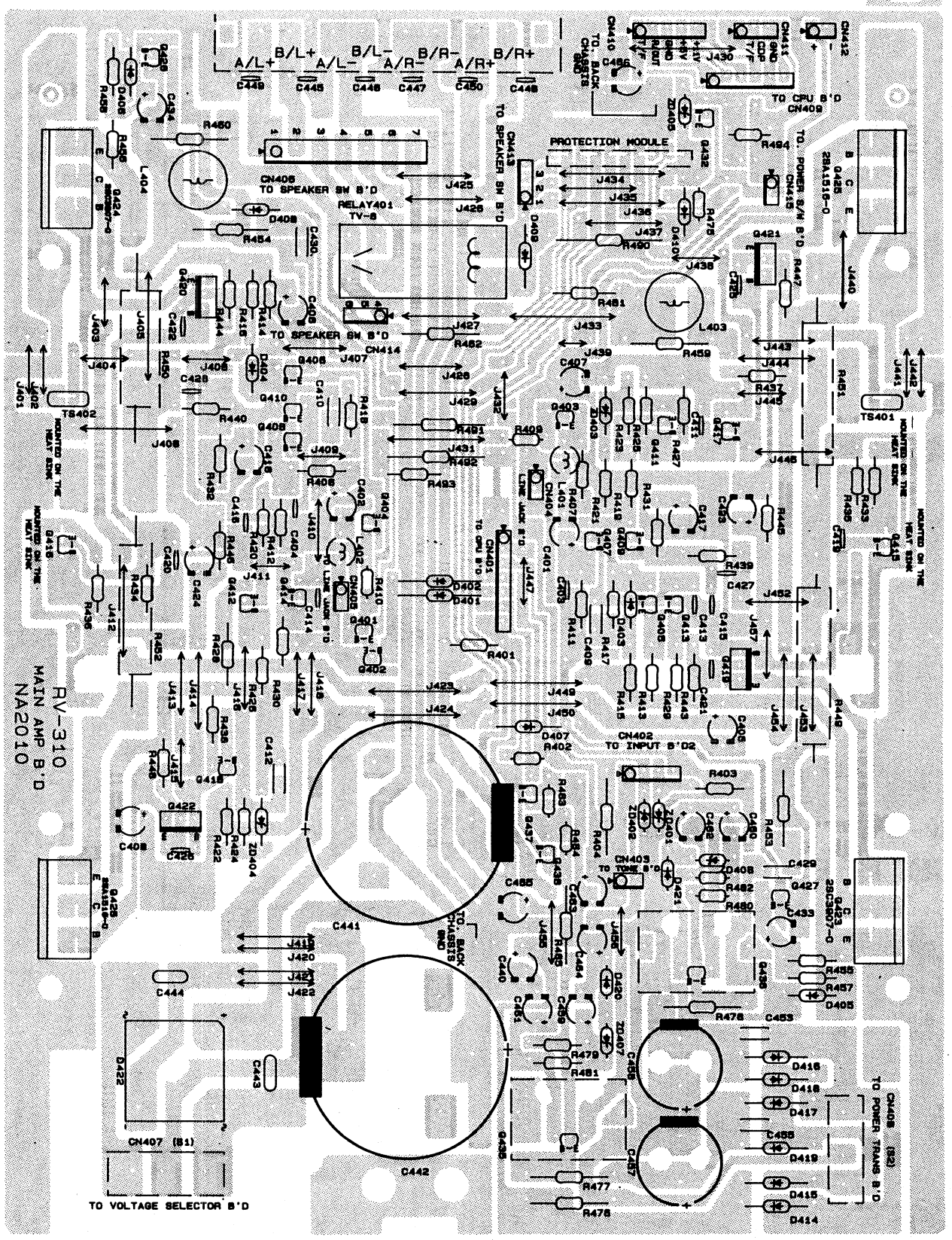
Ident-Nr./Order-No. 53 5473

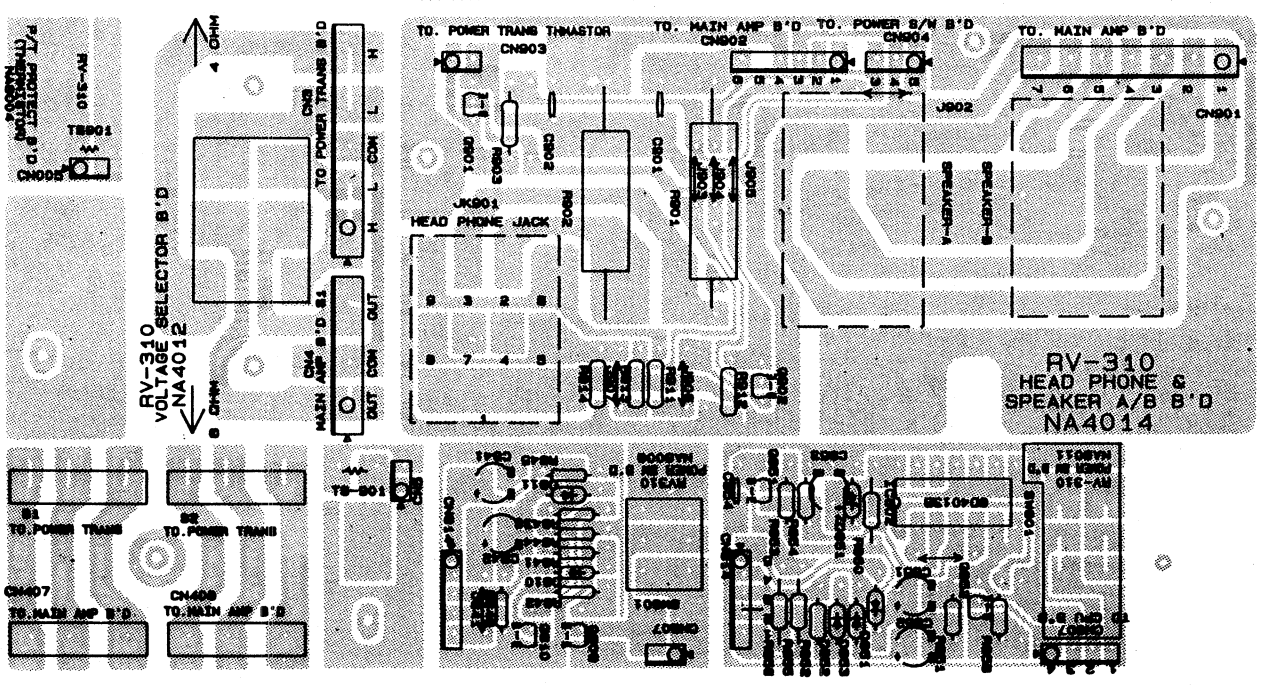
RV - 310 WIRING DIAGRAM



RV-310R4 P.C.BOARD ASSEMBLY (TOP VIEW)

MAIN BOARD

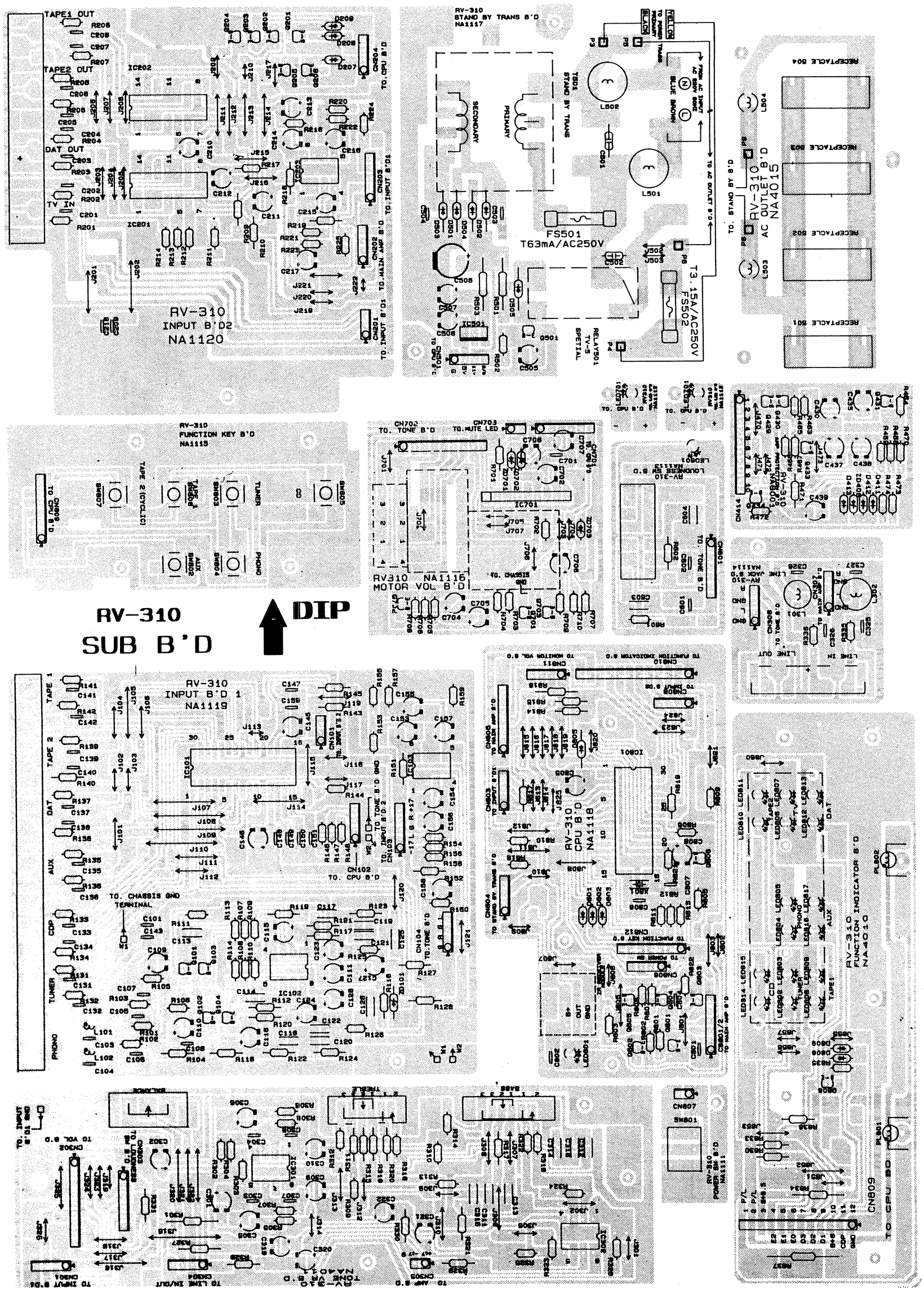




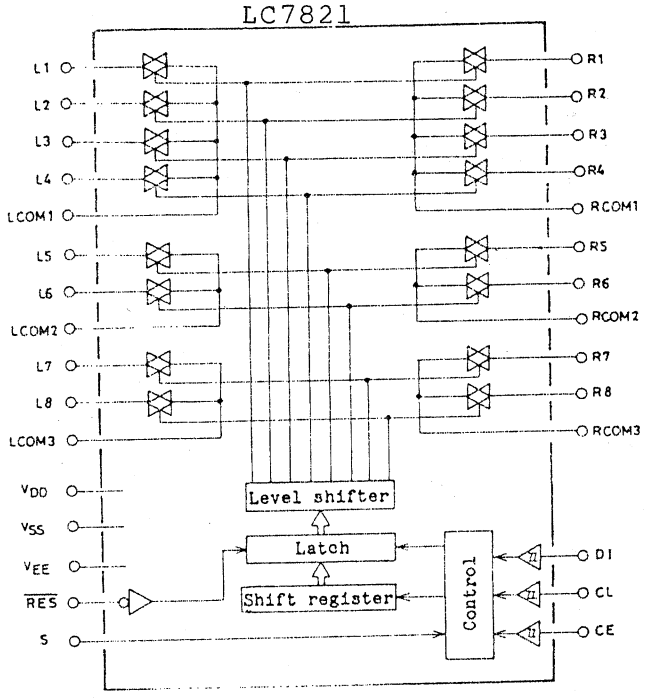
Verstärker RV310R4

RV-310R4 P.C.BOARD ASSEMBLY (TOP VIEW)

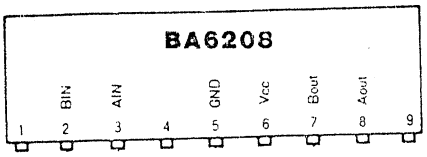
SUB BOARD



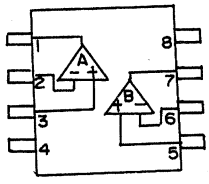
LC7821



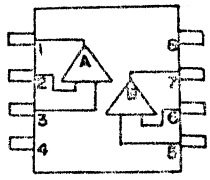
BA6208



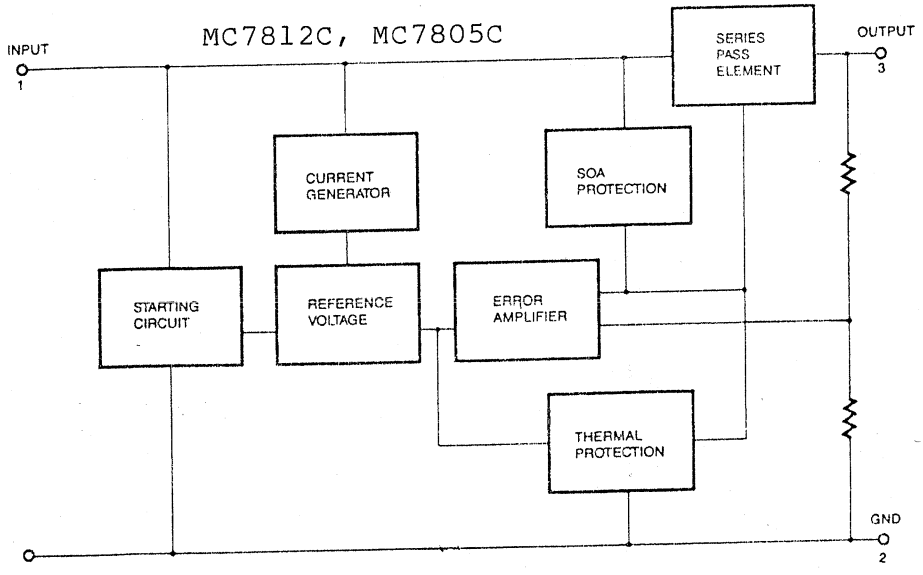
NJM4558DD



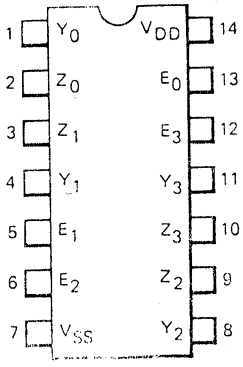
NJM4560D



MC7812C, MC7805C

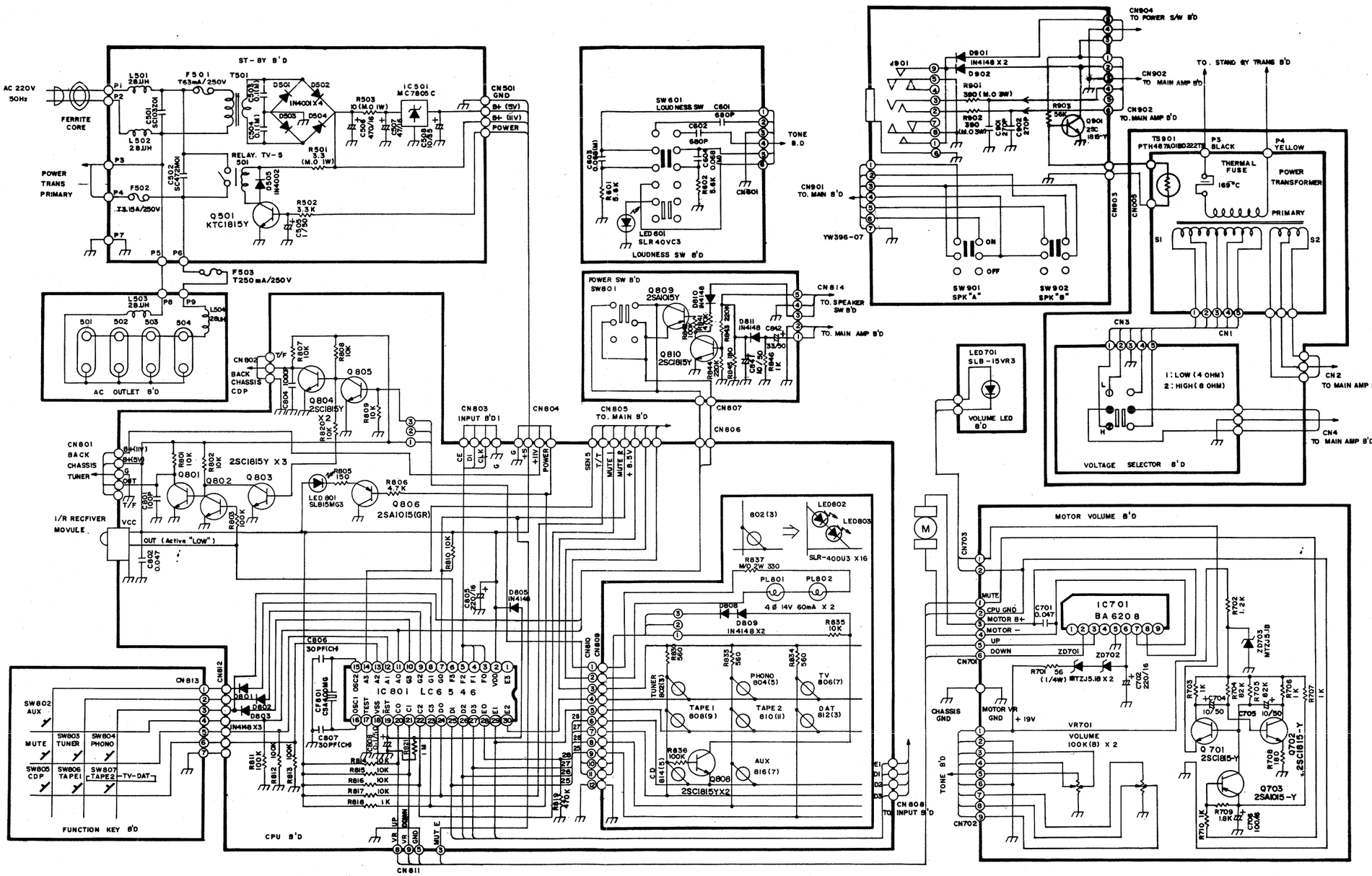


MLC4006B



MODEL NO : RV-310R4 (MAIN SCHEMATIC DIAGRAM)

MODEL NO : RV-310R4 (SUB SCHEMATIC DIAGRAM)



LIST OF IC VOLTAGE

IC 101 LC7821	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	1.6	3	1.6	1.6	1.6	1.6	1.6	1.6	24	1.6	1.6	-17.9	12.3	12.3
	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	12.3	1.6	1.6	17.5	17.7	1.6	1.6	24	1.6	1.6	1.6	1.6	1.6	1.6
	29	30												
	2	1.6												
IC 102	1	2	3	4	5	6	7	8						
NJM4558DD	1.4	6.5	6.5	-14.7	6.5	6.5	1.3	14.1						
IC 103	1	2	3	4	5	6	7	8						
NJM4560D	6.9	6.9	6.9	-17.2	7.4	8	8	17						
IC 201	1	2	3	4	5	6	7	8	9	10	11	12	13	14
MLC4006B	0.27	0.27	0.27	0.27	8.4	7.9	-7.6	0.22	0.2	0.2	0.2	B	8	8.2
IC 202	1	2	3	4	5	6	7	8	9	10	11	12	13	14
MLC4066B	0.2	0.2	0.2	0.2	8.2	8	-7.6	0.16	0.2	0.2	0.2	B	8	8.2
IC 203	1	2	3	4	5	6	7	8						
NJM4560d	6	6	5	-17.4	5.3	5.3	5.3	17.3						
IC 301	1	2	3	4	5	6	7	8						
NJM4560D	3.3	3.3	3.3	-13.8	3.6	3.9	3.8	13.7						
IC 302	1	2	3	4	5	6	7	8						
NJM4560D	0.9	0.3	0.2	-13.9	0.2	0.4	0.7	13.8						
IC 501	INPUT	GND	OUTPUT											
MC7805C	15.3	0.4	5											
IC 701	1	2	3	4	5	6	7	8	9					
BA6208	B	36	35	B	0.8	12.3	36	36	B					
IC 801 LC6546	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	B	5	11.4	11.4	11.4	4.1	90	5	5	5	11.4	11.4	11.3	5.2
	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	2.2	2	1.4	1.7	4	36	36,8	47.9	4	73	0.6	0.7	4.2	1.7
	29	30												
	3.9	0.4												

Versiärker RV310R4